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DATE MAILED: 07/13/2010

NOTICE OF ALLOWANCE AND FEE(S) DUE

65913	7590	07/13/2010		EXAMINER
NXP, B.V.				HAWAN, SHEELA C
	LECTUAL F	ROPERTY & LICENSING	ART UNIT	PAPER NUMBER
M/S41-SJ			2624	

1109 MCKAY DRIVE SAN JOSE, CA 95131

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/584,043	06/21/2006	Eric Alliot	FR03 0159 US1	6976

TITLE OF INVENTION: UNIVERSAL DEROTATOR FOR UMTS MODES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/13/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NO THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth tions.	ig the Patent, advance of nerwise in Block 1, by (a	rders and notification of r a) specifying a new corre				
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1109 MCKAY I SAN JOSE, CA							(Depositor's name)
373770303, 677							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DO	OCKET NO.	CONFIRMATION NO.
10/584,043	06/21/2006	•	Eric Alliot		FR03 015	9 US1	6976
TITLE OF INVENTION	: UNIVERSAL DEROT	ATOR FOR UMTS MOI	DES				
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	EEE TOTAL	L FEE(S) DUE	DATE DUE
nonprovisional	NO NO	\$1510	\$300	SO SO	FEE TOTAL	\$1810	10/13/2010
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EXAM		ART UNIT	CLASS-SUBCLASS	J			
CHAWAN,		2624	370-204000				
	ondence address or indication ondence address (or Cha B/122) attached. ication (or "Fee Address 12 or more recent) attach	nge of Correspondence	For printing on the p (I) the names of up to or agents OR, alternati (2) the name of a singly registered attorney or 2 registered patent atto	3 registered patent vely, ie firm (having as a agent) and the name	membera 2		
Number is required.			listed, no name will be THE PATENT (print or ty	printed.			
	less an assignee is ident h in 37 CFR 3.II. Comp		data will appear on the p T a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assigned assignment.		below, the do	cument has been filed for
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Cor	poration or oth	er private grou	p entity Government
Advance Order -	vo small entity discount p	permitted)	b. Payment of Fee(s): (Ples A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038	is attached.	fee(s), any defi	
	s SMALL ENTITY state	is. See 37 CFR 1.27.	☐ b. Applicant is no lon				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than t Office.	he applicant; a regist	ered attorney	or agent; or the	assignee or other party in
Authorized Signature				Date			
Typed or printed nam			Registration No				
This collection of inform an application. Confiden submitting the completes this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but (irginia 22313-1450. DC k13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	on is required to obtain or a 1.14. This collection is est depending upon the indivention of fice COMPLETED FORMS TO COMPLETED FORMS TO TO TO T	retain a benefit by the timated to take 12 m ridual case. Any con er, U.S. Patent and T D THIS ADDRESS.	e public which inutes to comp ments on the rademark Offi SEND TO: Co	is to file (and blete, including amount of tim ce, U.S. Depar ommissioner fo	by the USPTO to process) gathering, preparing, and e you require to complete timent of Commerce, P.O. or Patents, P.O. Box 1450.

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



SAN JOSE, CA 95131

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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NXP INTELLECTUAL PROPERTY & LICENSING				ART UNIT	PAPER NUMBER
M/S41-SJ 1109 MCKAY DRIVE			2624 DATE MAILED: 07/13/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 797 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 797 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/584 043 ALLIOT ET AL. Notice of Allowability Examiner Art Unit SHEELA C. CHAWAN 2624 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 2/4/10. The allowed claim(s) is/are 1-20. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. __ 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 6 Interview Summery (PTO-413) Notice of Draftperson's Patent Drawing Review (PTO-946). Paper No./Mail Date 3. Information Disclosure Statements (PTO/SB/08), T Examiner's Amendment/Comment Pacer No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other

/Sheela C Chawan/ Primary Examiner, Art Unit 2624 Application/Control Number: 10/584,043 Page 2

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DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on 2/4/10 has been entered.

Claims 11-20 are new.

Claims 1-20 are pending in the application.

In response to applicant's submission of Replacement Drawings filed on 2/4/10, the objections are withdrawn.

Response to Arguments

 Applicant's arguments filed on 2/4/10 have been fully considered and persuasive (see page 10- 17, of the remarks filed on 2/4/10. The rejection under 112, second paragraph and 35 U.S.C. 102(e) is withdrawn and claims 1-20 are now allowed.

Reasons For Allowance

3. The following is an examiner's statement of reasons for allowance:

Claims 1-20 are allowed and renumbered as 1-20.

The prior art of record Kwak et al., (US. 6,934,245) discloses an apparatus and method for determining whether transmit diversity is used by a signal transmitted over a primary common control physical channel (P-CCPCH), a downlink channel. Kwak does not output an interleaved sequence of symbols. In addition, Applicant respectfully submits that Kwak clearly differs from the recited claims by teaching the use of separate derotators for normal and Tx Diversity mode. One of Kwak's derotators treats a first signal (Fig. 5: 523), while the second derotator, in Tx Diversity mode, treats a second

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signal (Fig. 5: 524) . Consequently, Applicant respectfully submits that Kwak teaches away from using a single derotator, a unique functional block that behaves differently depending upon whether it uses a normal or Tx Diversity mode. Applicant further submits that the use of a single derotator provides a considerable advantage in terms of hardware components compared to Kwak's use of two blocks for normal and Tx Diversity, (as recited in claims 1 and 7); "a Primary Common Control Physical Channel (P-CCPCH)...processor block that receives despread symbols and processes the despread symbols; a first derotator block that receives the processed symbols from the P-CCPCH processor block, wherein the first derotator block further comprises: a pilot derotator sub-block that operates only on pilot symbols within the processed symbols from the P- CCPCH processor block and produces a first signal wherein non-pilot symbols are unaltered, a general derotator sub-block that receives the first signal from the pilot derotator sub-block, applies different weights to the processed symbols from the P-CCPCH processor block based upon whether a transmission mode is closed loop. and produces a second signal; and a second derotator block that receives the second signal from the general derotator sub-block, performs switching operations based upon whether the transmission mode is Space Time coding based Transmit Diversity (STTD), and produces an output signal" (as recited in claim 11), as commonly included in the independent claim 1, 7 and 11, the prior art of record fails to teach either singularly or in combination, fails to anticipate or render the above limitations obvious. Claims 1-20 have been withdrawn from the rejection and are allowed.

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4. Any comments considered necessary by applicant must be submitted on later than the payment of the issue fee and to avoid processing delays should preferably accompany the issue fee. Such submissions should be clearly labeled, comments on statement of reasons for allowance. Application/Control Number: 10/584,043 Page 5

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Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheela C Chawan whose telephone number is. 571-272-7446. The examiner can normally be reached on Monday - Friday 8.30 am - 5.00 pm and every Wednesday work from home. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vikkram Bali can be reached on 571-272-7415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Sheela C Chawan/

6/30/10

Primary Examiner, Art Unit 2624